

Notice of Allowability

Application No.

10/070,324

Examiner

Jefferey F. Harold

Applicant(s)

EIKKULA, JARI

Art Unit

2644

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 4/15/05.
2. ☒ The allowed claim(s) is/are 8-24.
3. ☒ The drawings filed on 06 March 2002 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Allowable Subject Matter

1. **Claims 8-24** are allowed.
2. The following is an examiner's statement of reasons for allowance:

Regarding **claim 8**, the prior art of record discloses a method for controlling echo canceling in a telecommunications network comprising a first switching center having no echo canceling equipment and at least one second switching center having echo canceling equipment, however, the prior art of record failed to disclose or fairly suggest establishing a call connection in a speech mode via the first switching center and the at least one second switching center so that the echo canceling equipment is connected to the connection, changing, under control of the first switching center, the type of call connection from the speech mode to another transmission mode in which echo canceling is not allowed, sending to the at least one second switching center from the first switching center a signaling message commanding the second switching center to disconnect the echo canceling equipment from the connection, changing, under control of the first switching center, the type of the call connection from the other transmission mode back to the speech mode, sending to the at least one second switching center from the first switching center a signaling message commanding the second switching center to connect the echo canceling equipment to the connection.

Regarding **claim 9**, the prior art of record discloses a method for controlling echo canceling in a telecommunications network comprising a first switching center having no echo canceling equipment and at least one second switching center having echo

Art Unit: 2644

canceling equipment, however, the prior art of record failed to disclose or fairly suggest establishing a call connection in a speech mode via the first switching center and the at least one second switching center so that the echo canceling equipment is connected to the connection, changing, under control of the first switching center, the type of call connection from the speech mode to another transmission mode in which echo canceling is not allowed, sending to the at least one second switching center from the first switching center a signaling message commanding the second switching center to disconnect the echo canceling equipment from the connection, changing, under control of the first switching center, the type of the call connection from the other transmission mode back to the speech mode, sending to the at least one second switching center from the first switching center a signaling message commanding the second switching center to connect the echo canceling equipment to the connection, wherein the telecommunications network is a mobile communications network, the first switching center is a mobile switching center, and the at least one second switching center is a gateway mobile switching center connecting the mobile communications network to a fixed telephone network.

Regarding **claim 13**, the prior art of record discloses a communications network, comprising a first switching center having no echo canceling equipment and at least one second switching center having echo canceling equipment, however, the prior art of record failed to disclose or fairly suggest a first switching center being configured to be capable of changing the call party during the call by releasing a connection leg to an old party and establishing a new connection leg to a new party, and wherein, the first

switching center is configured to send, in response to the change of call party, to the at least one second switching center a signaling message commanding the second switching center to connect the echo canceling equipment to a call connection, when there is no echo canceling equipment already connected to the call connection and echo canceling is required due to the new party.

Regarding **claim 20**, the prior art of record discloses a communications network comprising a first switching center having no echo canceling equipment and at least one second switching center having echo canceling equipment, however, the prior art of record failed to disclose or fairly suggest a first switching center being configured to be capable of changing the call type from a speech mode to another transmission mode during the call, and wherein the first switching center is configured to send, in response to the change of call type from the speech mode to the other transmission mode, to the at least one second switching center a signaling message commanding the second switching center to disconnect the echo canceling equipment from a call connection, when the call connection is routed via the second switching center.

Regarding **claim 23**, the prior art of record discloses a switching center for a communications network, however, the prior art of record failed to disclose or fairly suggest wherein the switching center echo canceling equipment is capable of changing the call party during the call by releasing a connection leg to an old party and establishing a new connection leg to a new party, and the first switching center is configured to send, in response to the change of call party, to a second switching center having echo canceling equipment a signaling message commanding the second

switching center to connect the echo canceling equipment to a call connection, when there is no echo canceling equipment already connected to the call connection and echo canceling is required due to the new party.

Regarding **claim 24**, the prior art of record discloses a switching center for a communications network, however, the prior art of record failed to disclose or fairly suggest wherein the switching center without echo canceling equipment is capable of changing the call type from a speech mode to another transmission mode during the call, and the switching center is configured to send, in response to the change of call type from the speech mode to the other transmission mode, to a second switching center having echo canceling equipment, a signaling message commanding the second switching center to disconnect the echo canceling equipment from a call connection, when the call connection is routed via the second switching center.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion


3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jefferey F. Harold whose telephone number is 571-272-7519. The examiner can normally be reached on Monday - Friday 9 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh H. Tran can be reached on 571-272-7564. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



JFH
April 29, 2005



Jefferey F Harold
Examiner
Art Unit 2644